

INTERNATIONAL SEARCH REPORT

International Application No

PC1/FR 99/01828

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A01K67/027 C07K14/47 A61K49/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01K C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 92 11874 A (BAYLOR COLLEGE MEDICINE) 23 July 1992 (1992-07-23) claim 1 ---	1-6
A	SAH V ET AL: "A subset of p53-deficient embryos exhibit exencephaly" NATURE GENETICS, vol. 10, June 1995 (1995-06), pages 175-180, XP002101318 cited in the application the whole document ---	1-6
A	WO 95 09916 A (RHONE-POULENC RORER SA ;MALLET JACQUES (FR); REVAH FREDERIC (FR);) 13 April 1995 (1995-04-13) the whole document --- -/--	1-6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

11 November 1999

Date of mailing of the international search report

29/11/1999

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95 19367 A (JOLLA CANCER RES FOUND) 20 July 1995 (1995-07-20) -----	1-6
A	ROPERCH JP ET AL: "Inhibition of presenilin 1 expression is promoted by p53 and p21-WAF1 and results in apoptosis and tumor suppression" NATURE MEDICINE, vol. 4, no. 7, July 1998 (1998-07), pages 835-838, XP002122379 cited in the application -----	1-6
P, A	JIANG Y H ET AL: "Mutation of the Angelman ubiquitin ligase in mice causes increased cytoplasmic p53 and deficits of contextual learning and long-term potentiation" NEURON, (1998 OCT) 21 (4) 799-811, XP002122380 -----	1-6

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.: 7 - 10
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

See supplementary sheet INFORMATION FOLLOW-UP PCT/ISA/210

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

Continuation of Box I.2

Claims Nos.: 7-10

Claims 7 to 10 concern the use of an agent defined by reference to a desired property, namely an agent inducing the metabolic path of the p53 gene. The claims cover the use of all agent having said characteristic or property, whereas the application provides a support basis as defined by PCT Article 6 and/or a disclosure as defined by PCT Article 5 for none of said agents. In the present case, the claims are lacking in support and the application is lacking in disclosure to such an extent that it is not possible to carry out any significant search on the whole spectrum covered by the claims. Notwithstanding the reasons evoked above, the claims also lack clarity. Indeed, there has been an attempt to define the agent by the result to be achieved. In the present context, such lack of clarity is likewise such that it is not possible to carry out any significant search on the whole spectrum covered by the claims. Consequently, no search report can be established for Claims 7 to 10.

The applicant's attention is drawn to the fact that claims, or parts of claims, concerning inventions in respect of which no search report has been established need not be the subject of a preliminary examination report (PCT Rule 66.1 (e)). The applicant is warned that the guideline adopted by the EPO acting in its capacity as International Preliminary Examining Authority is not to proceed with a preliminary examination of a subject matter unless a search has been carried out thereon. This position will remain unchanged, notwithstanding that the claims have or have not been modified, either after receiving the search report, or during any procedure under Chapter II.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9211874 A	23-07-1992	AU 1236092 A	17-08-1992
		CA 2098827 A	05-07-1992
		EP 0565638 A	20-10-1993
		JP 6503967 T	12-05-1994
		US 5569824 A	29-10-1996
WO 9509916 A	13-04-1995	FR 2710846 A	14-04-1995
		AU 698242 B	29-10-1998
		AU 7816294 A	01-05-1995
		CA 2173338 A	13-04-1995
		EP 0722496 A	24-07-1996
		FI 961494 A	03-04-1996
		JP 9503915 T	22-04-1997
WO 9519367 A	20-07-1995	NO 961220 A	26-03-1996
		US 5484710 A	16-01-1996
		US 5659024 A	19-08-1997
		US 5908750 A	01-06-1999